

# THOMSON MULTI MEDIA

**Brandt FERGUSON SABA TELEFUNKEN THOMSON**

**AUDIO**



**SERVICE MANUAL  
DOCUMENTATION TECHNIQUE  
TECHNISCHE DOKUMENTATION  
DOCUMENTAZIONE TECNICA  
DOCUMENTACION TECNICA**

**THOMSON AM 1250  
AM 1255**

Version (PC\*): A

\*PC: The version code is indicated either in the battery compartment or on the back of the unit - ce code version est indiqué dans le compartiment à piles ou au dos de l'appareil - PC: Version des Geräts wird im Batteriefach oder auf der Rückseite angegeben - il codice della versione è indicato nello scompartimento delle batterie o sul retro dell'apparecchio - el código de la versión está indicado en el compartimento de las pilas o en la parte trasera del aparato.



**Technical data - Caractéristiques principales  
Technische Daten - Dati tecnici - Características del aparato**

<b>Type of set :</b> Cassette radio recorder / compact disc <b>Type d'appareil :</b> Combiné radio cassette / CD <b>Geräteart :</b> CD-Radio Cassetten Portable <b>Tipo d'apparecchio :</b> Insieme radio cassette / CD <b>Tipo de aparato :</b> Radio cassette / CD		 3,5 kg	
<b>Power supply :</b> <b>Alimentation :</b> 230 V ~ <b>Stromversorgung :</b> <b>Alimentazione :</b> <b>Alimentación :</b>		<b>Nominal output power :</b> <b>Puissance nominale de sortie :</b> 2 x 12 W (Rms) <b>Nennausgangsleistung :</b> 2 x 30 W (Music.) <b>potenza nominale di uscita :</b> <b>Potencia nominal de salida :</b>	
 <b>FM - MF :</b> 87,5 - 108 MHz <b>MW - PO :</b> 520 - 1620 kHz <b>LW - GO :</b> 150 - 283 kHz		<b>Sensitivity :</b> <b>Sensibilité :</b> FM - MF : 20 µV (S/N = 30 dB) <b>Empfindlichkeit :</b> MW - PO : 2000 µV/m (S/N = 20 dB) <b>Sensibilità :</b> LW - GO : 4000 µV/m (S/N = 20 dB) <b>Sensibilidad :</b>	
 <b>Frequency response :</b> 125 Hz - 6,3 kHz <b>Courbe de réponse :</b> (+3/-5 dB) <b>Frequenzgang :</b> <b>Curva di risposta :</b> <b>Curva de respuesta :</b> <b>Wow and flutter :</b> <b>Fluctuations :</b> 0,35 % <b>Gleichlauf :</b> <b>Fluttuazioni :</b> <b>Fluctuaciones :</b>		<b>Signal to noise ratio :</b> <b>Rapport signal / bruit :</b> 40 dB <b>Geräuschspannungsabstand :</b> <b>Rapporto segnale / disturbo :</b> <b>Relación señal / ruido :</b>  4,75 cm/s C60 : 170 s	
<b>DAD</b> <b>Disc rotation speed :</b> <b>Vitesse de rotation du disque :</b> 200 → 500 tr/m <b>CD-Drehgeschwindigkeit :</b> <b>Velocità di rotazione del disco :</b> <b>Velocidad de rotación del disco :</b>		<b>Frequency response :</b> 20 Hz - 20kHz <b>Courbe de réponse :</b> (±2 dB) <b>Frequenzgang :</b> <b>Curva di risposta :</b> <b>Curva de respuesta :</b>	
<b>Dynamic range :</b> 60 dB <b>Gamme dynamique :</b> <b>Dynamikumfang :</b> <b>Dinamica :</b> <b>Dinámica :</b>		<b>Signal to noise ratio :</b> 54 dB <b>Rapport signal / bruit :</b> <b>Geräuschspannungsabstand :</b> <b>Rapporto segnale / disturbo :</b> <b>Relación señal / ruido :</b>	



**WARNING :** Before servicing this chassis read the safety recommendations.  
**ATTENTION :** Avant toute intervention sur ce châssis, lire les recommandations de sécurité.  
**ACHTUNG :** Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.  
**ATTENZIONE :** Prima di intervenire sullo chassis, leggere le norme di sicurezza.  
**IMPORTANTE :** Antes de cualquier intervención, leer las recomendaciones de seguridad.

**Code : 351 548 30 - 05/01 / 4,2M - CRKD1291 Print.**

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**CLASS 1 LASER PRODUCT**  
**APPAREIL A LASER DE CLASSE 1**  
**LASER KLASSE 1**  
**APPARECCHIO CON LASER DI CLASSE 1**  
**APARATO CON LASER DE CLASE 1**

**DANGER :** Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.

**ATTENTION :** Le rayon laser est invisible. Eviter l'exposition directe lors de la maintenance.

**VORSICHT BEI REPARATUREN :** Bei geöffneter Schublade und Defekt der Sicherheitsvorrichtungen besteht die Gefahr unsichtbaren Laserlichts. Niemals direkt in den Laserstrahl sehen.

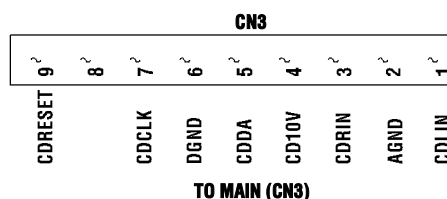
**ATTENZIONE :** Il raggio laser è invisibile. Evitare l'esposizione diretta durante la manutenzione.

**IMPORTANTE :** El rayo laser es invisible. Evitar la exposición directa en el momento del mantenimiento.
















## **DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL - SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE - ESQUEMA DEL TRATAMIENTO DIGITAL**













The complete Digital Processing Module is available from A.S.S. under Part Number :  
En SAV, l'ensemble du module traitement digital est géré sous le code :  
Die Service Bestell-Nr. für das Modul "Digital Processing kompl." ist :  
Il codice del modulo completo di elaborazione digitale è :  
En postventa, el modulo completo tratamiento digital lleva el código :

106 389 60

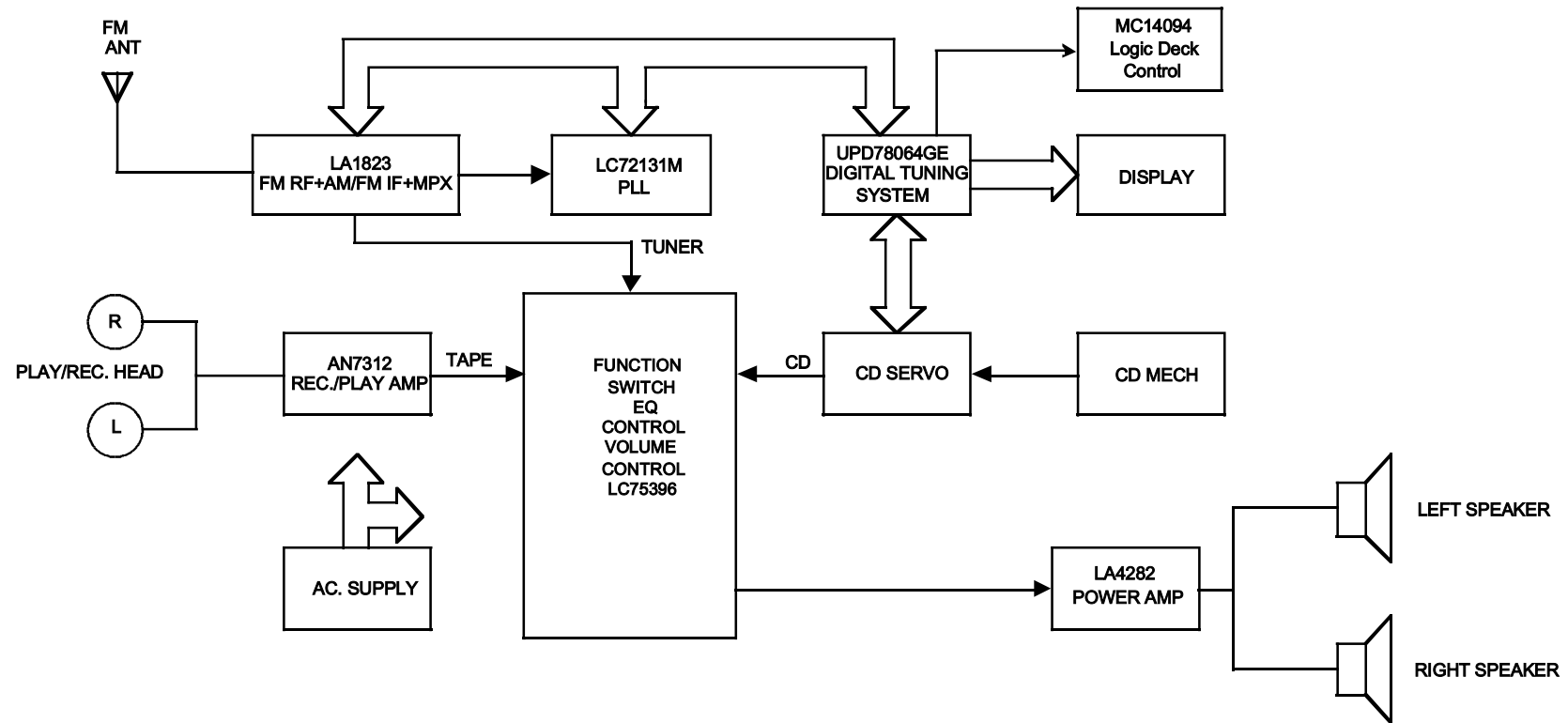


**ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZION - AJUSTES**

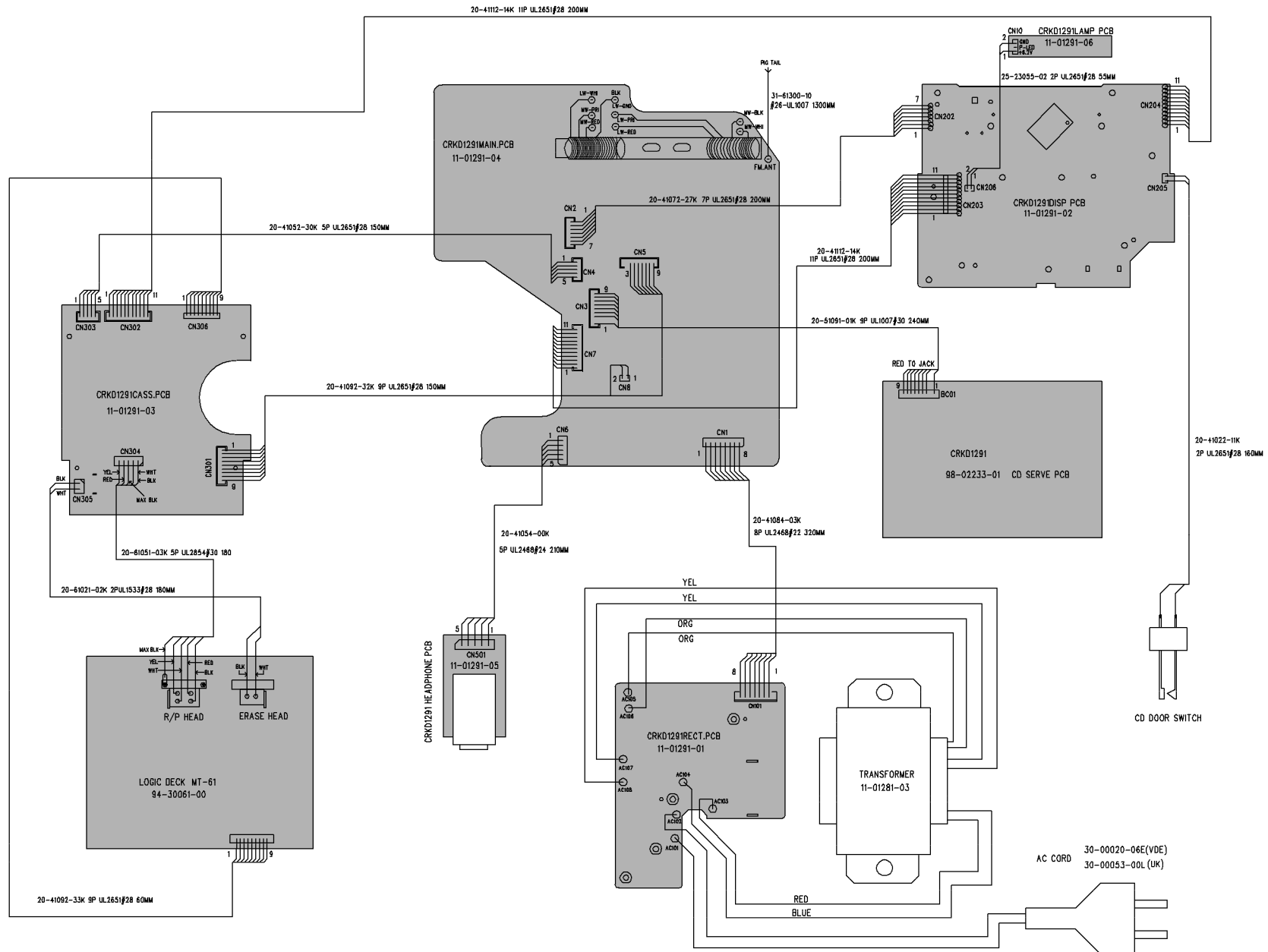
AM alignment						
		   or TP	<b>f</b>		 	   
MW	1	 	450 kHz		T4	Adjust for maximum outpout
	2		522 kHz	522 kHz	T2	Vt = 1,1 V
	3		1620 kHz	1620 kHz	T2	Vt = 7,2 V
LW	1	 	150 kHz	150 kHz	T1	1.1 V
	2		283 kHz	283 kHz		5.9 V

FM alignment						
		   or TP	<b>f</b>		 	   
FM	1	 	87.5 MHz	87.5 MHz	L11	Vt = 2,2V
	2		108 MHz	108 MHz		Vt = 7,2 V
	3		90.10 MHz	90.10 MHz	L10	
	4		106.10 kHz	106.10 kHz	TC3	

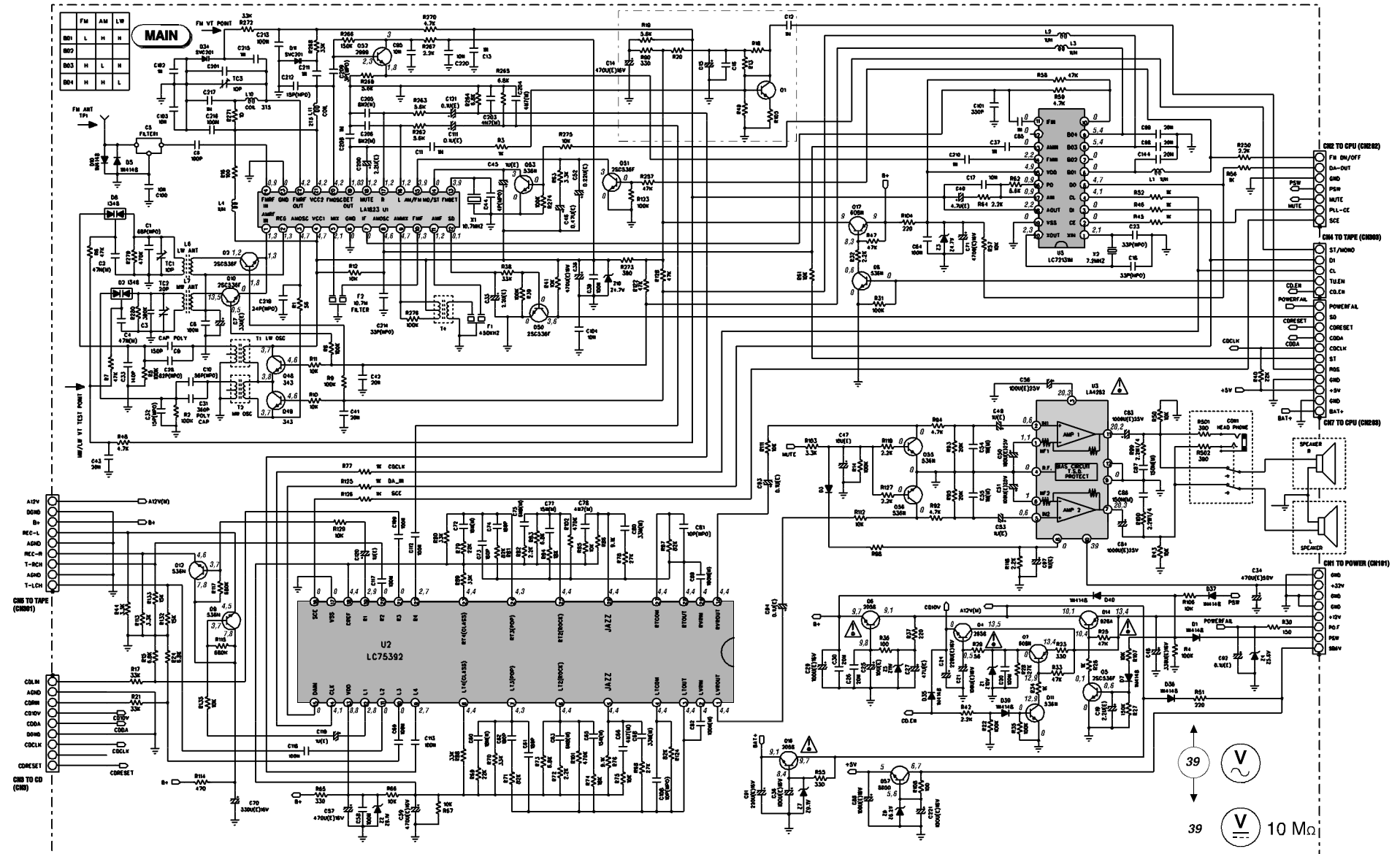
# BLOCK DIAGRAM - SCHEMA SYNOPTIQUE - BLOCKSCHALTBIID - SCHEMA A BLOCCHI - ESQUEMA DE BLOQUES



# WIRING DIAGRAM - SCHEMA D'INTERCONNECTIONS - VERDRAHTUNGSPLAN - DIAGRAMMA DELLE INTERCONNESSIONI - ESQUEMA DE INTERCONEXIONES

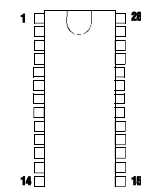
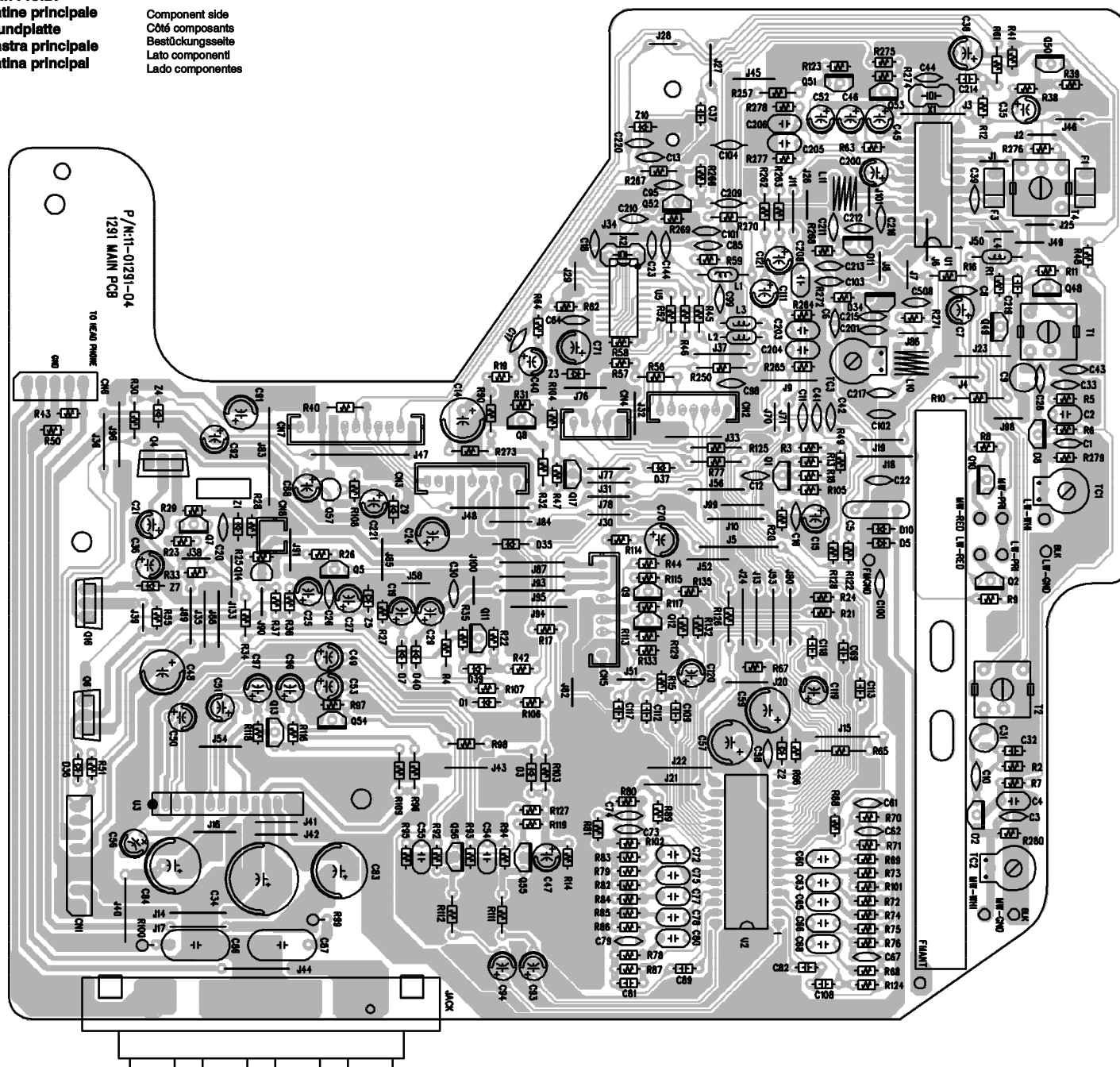


MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD GRUNDPLATTE - SCHEMA DELLA PIASTRA PRINCIPALE- ESQUEMA DE LA PLATINA PRINCIPAL

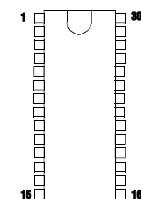


**Main P.C.B.**  
**Platine principale**  
**Grundplatte**  
**Plastra principale**  
**Platina principal**

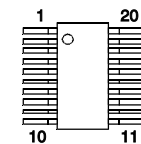
**Component side**  
**Côté composants**  
**Bestückungsseite**  
**Lato componenti**  
**Lado componentes**



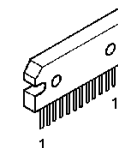
LA 1823



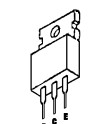
LC75392



**LC7231**



LA4282

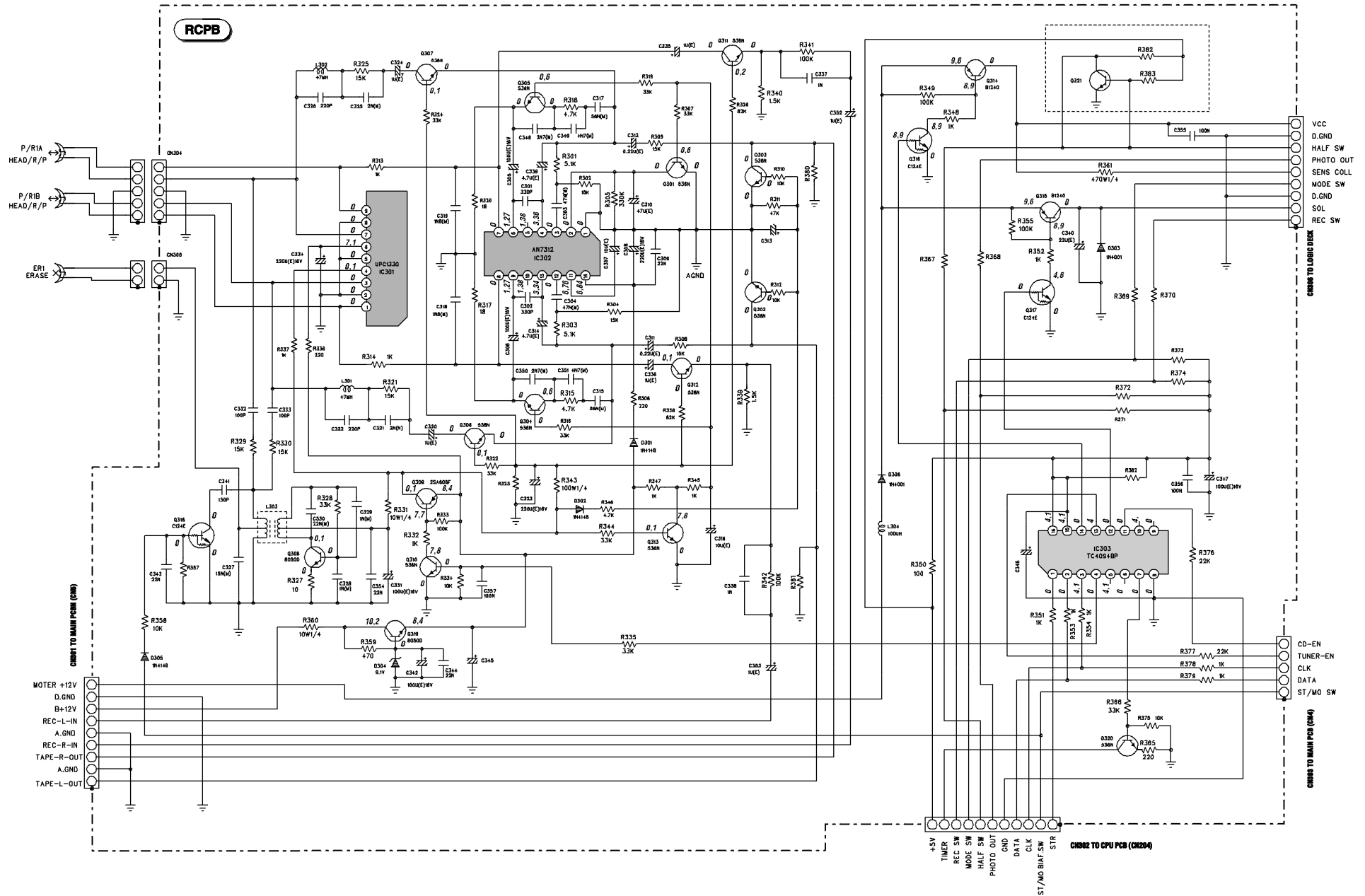


KTD 2058Y



2SA608NG  
2SC536NF  
8050C  
KSA928A

RECORD / PLAYBACK SCHEMATIC DIAGRAM - SCHEMA ENREGISTREMENT / LECTURE - SCHALTBILD AUFNAHME / WIEDERGABE - SCHEMA REGISTRAZIONE / RIPRODUZIONE - ESQUEMA GRABACIÓN / REPRODUCCIÓN

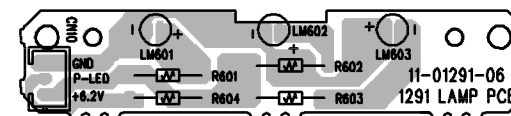
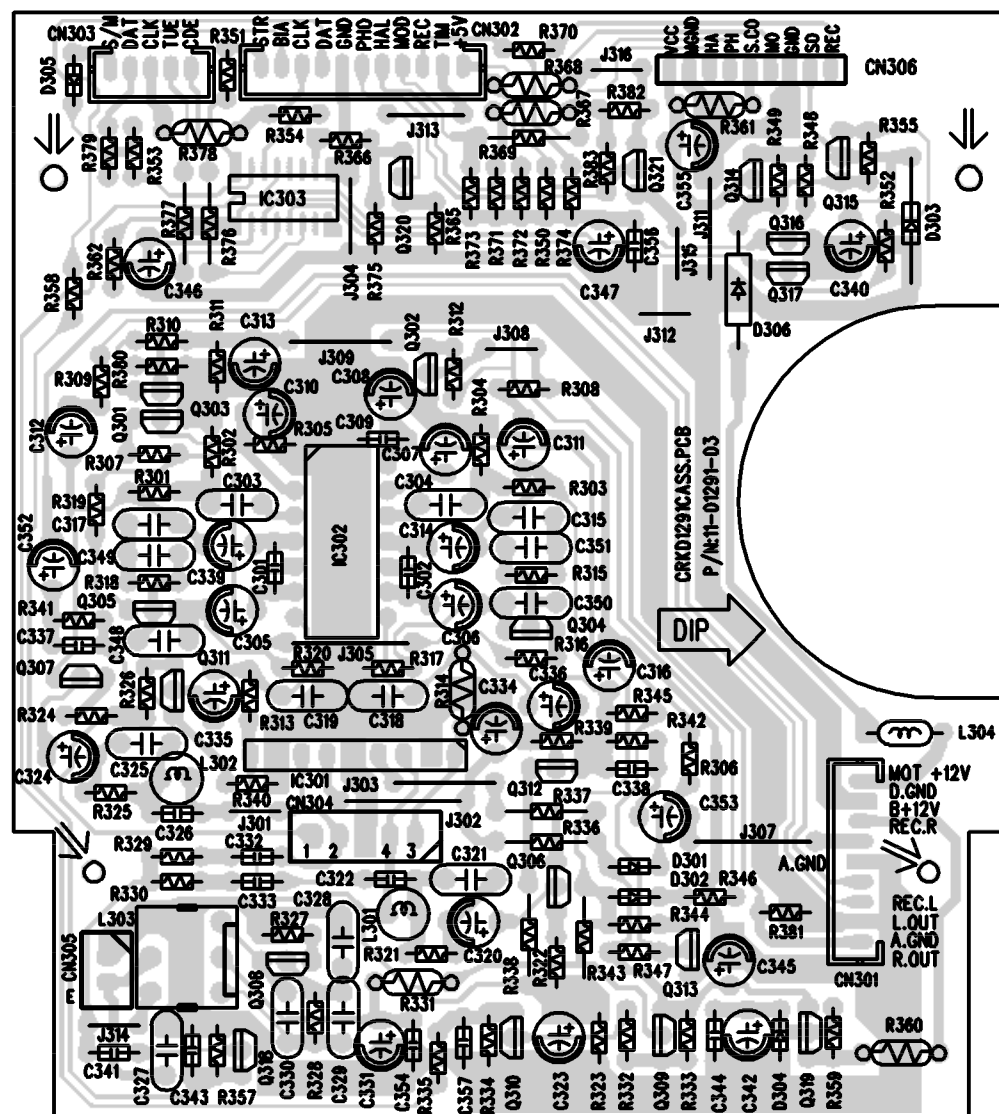




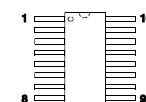
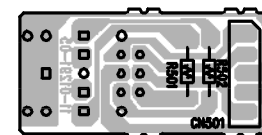
**Playback / record P.C.B.**  
**Platine enregistrement / lecture**  
**Ltpl. Aufnahme / Wiedergabe**  
**Plastra registrasione / riproduzione**  
**Platina grabación / reprodución**

Component side  
Côté composants  
Bestückungsseite  
Lato componenti  
Lado componentes

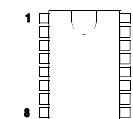
**Led P.C.B.**  
**Platine Led**  
**Ltpl. Led**  
**Plastra Led**  
**Platina Led**



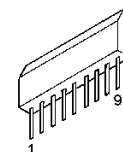
**Headphone-Jack P.C.B.  
Platine prise-casque  
Kopfhörerbuchse Ltpl.  
Plastra presa per cuffia  
Platina toma auriculares**



MC14094

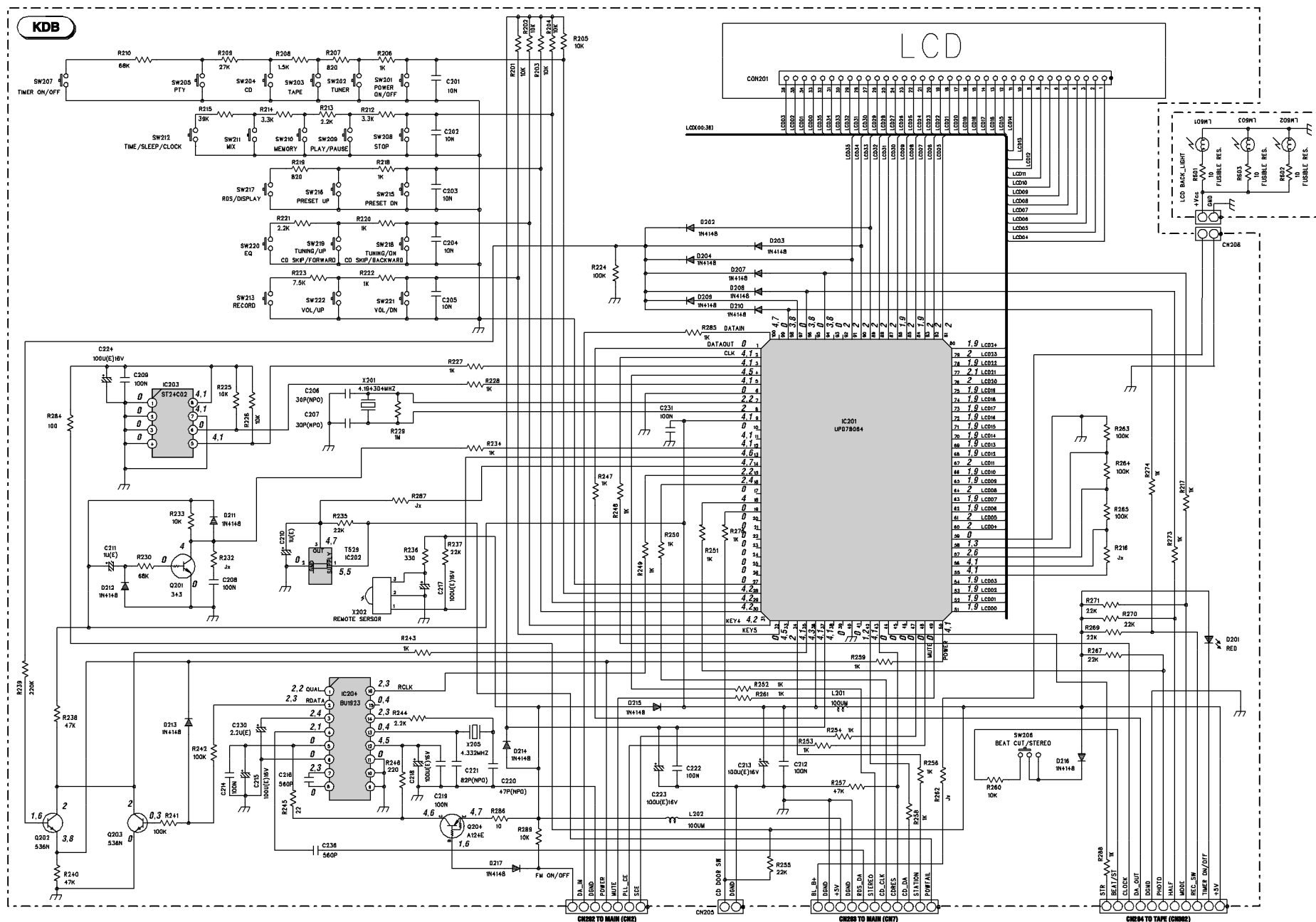


AN7312



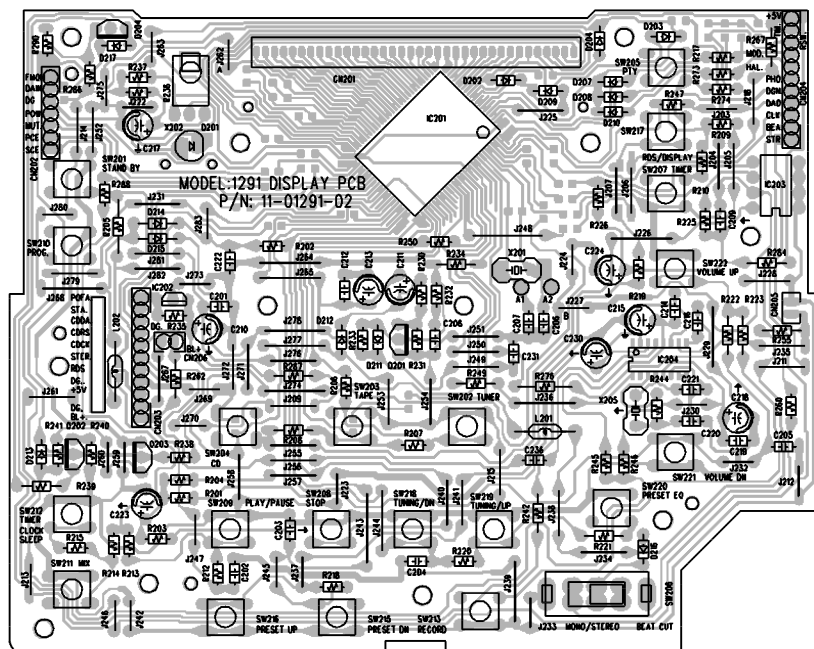
UPC1330HA

**CONTROL / DISPLAY SCHEMATIC DIAGRAM - SCHEMA COMMANDES / AFFICHEUR - SCHALTBILD BEDIENTEIL / ANZEIGE - SCHEMA COMANDI / INDICATORE - ESQUEMA MANDOS / INDICADOR**

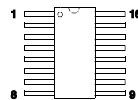


**Controls / display P.C.B.**  
**Platine commandes / afficheurs**  
**Ltpl. Bedientell / Anzeig**  
**Plastra comandi / Indicator**  
**Platina de mandos / Indicadores**

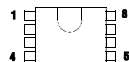
Solder side  
Côté cuivre  
Lötseite  
Lato saldature  
Lado del cobre



DTC124ES  
2SC2999D  
DTC343S



BU 1923F

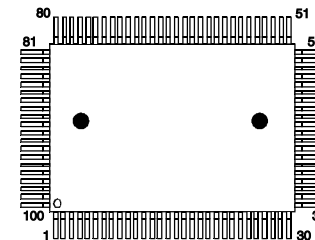
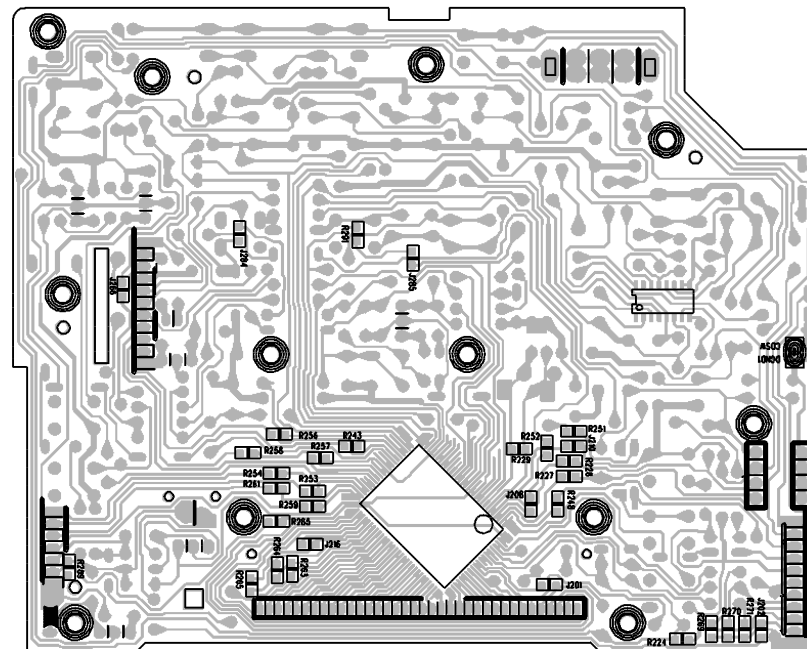


ST24C02S

**CRKD 1291**  
First issue 05 / 01

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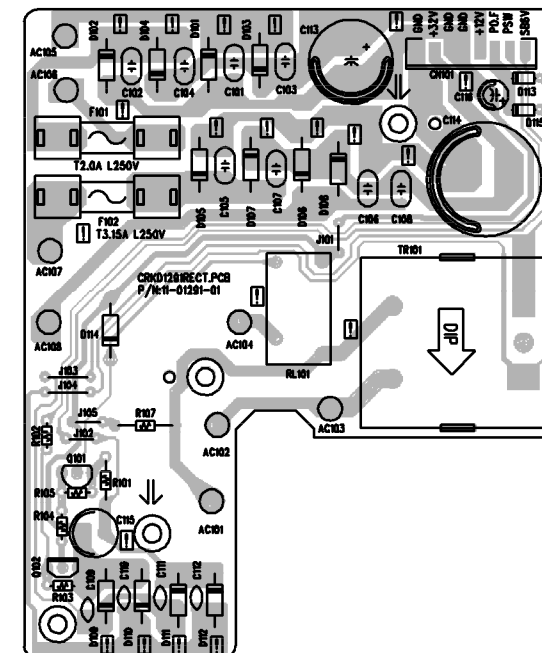
Solder side  
Côté soudure  
Lötseite  
Lato saldature  
Lado del cobre



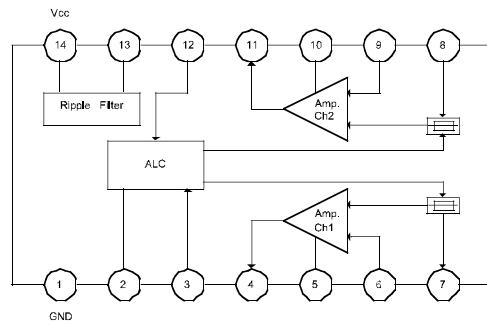
UPD 78P064GF

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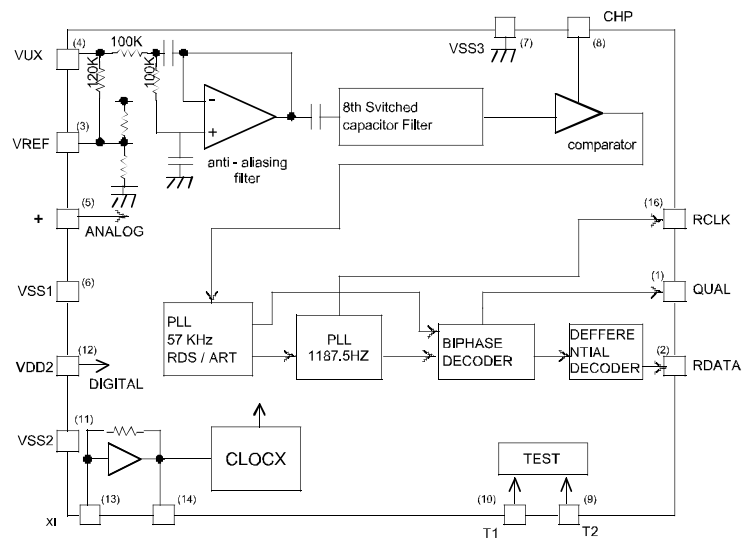
**Power supply**  
**Platine alimentation**  
**Ltpl. Netzell**  
**Plastra alimentazionePlatina**  
**alimentación**



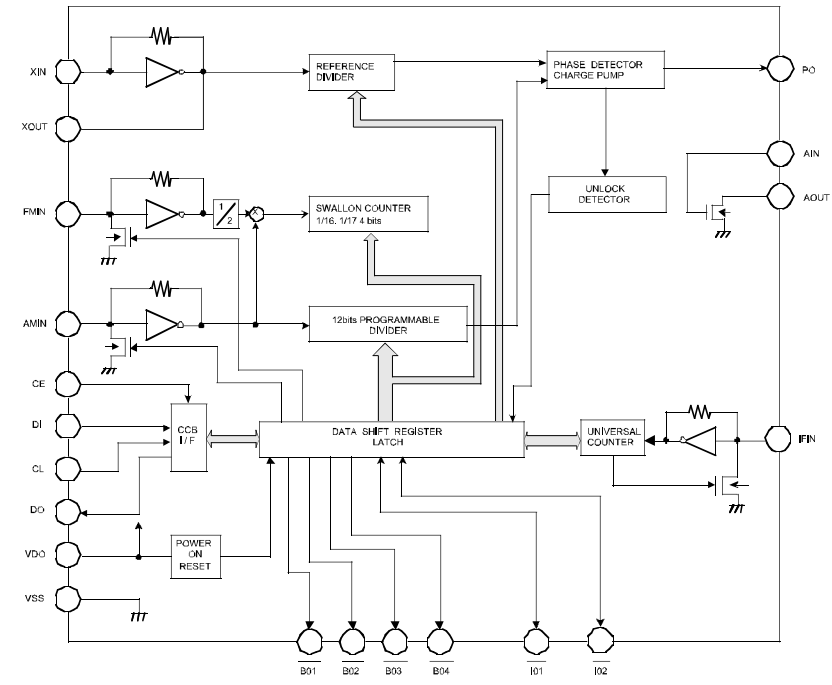
# IC302 AN7312

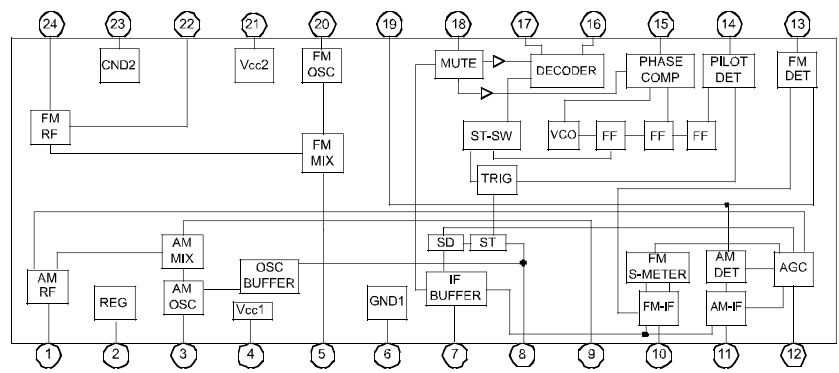


# IC204 BU1923F

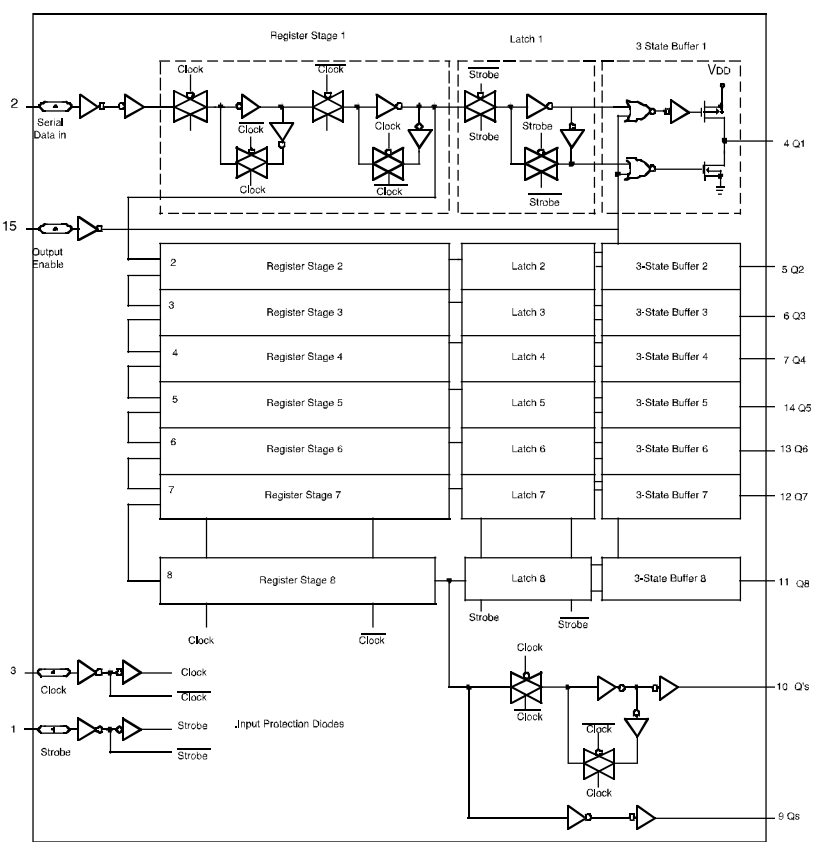
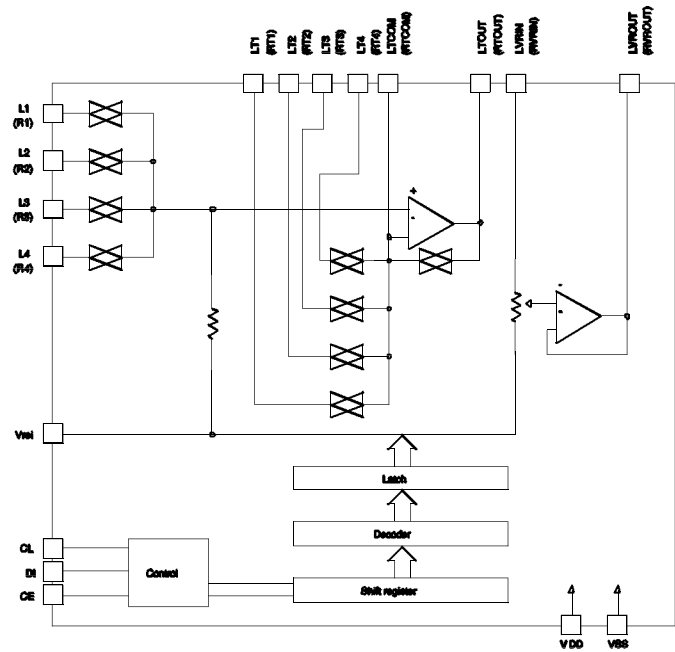


# U5 LC72131M

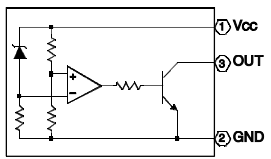




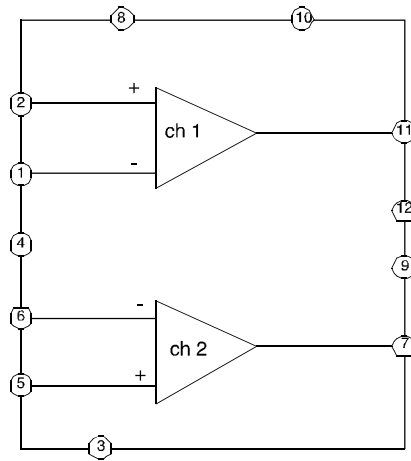
U2 LC 75392



IC 202 PST 529



### U3 LA4282



### IC 201 UPD78064 GF

